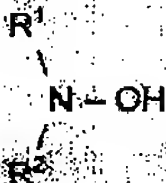


CLAIMS AMENDMENT

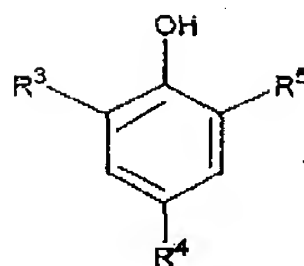
Please amend the Claims as follows:

1. (currently amended) A composition for stabilization of vinyl monomers; the composition including (a) at least one alkyl hydroxyl amine compound and at least one phenolic sulfide compound, ~~or (b) at least two alkyl hydroxyl amine compounds and at least one phenolic compound.~~
2. (canceled).
3. (original) The composition of claim 1 wherein amine components are 10-90 wt.% of the total composition.
4. (original) A process for the stabilization of dienes, vinyl aromatic monomers, or acrylic acid and its esters by the addition of the composition of claim 1.
5. (original) The composition of claim 1 wherein each of the alkylhydroxylamine compounds has the general formula:



where R^1 and R^2 are the same or different, and can be hydrogen, alkyl, hydroxyalkyl, alkoxyalkyl, and sulfonated alkyl groups, ~~cyclic or branched~~, but cannot both be H, a H and a methyl, or both be methyl.

6. (withdrawn) The composition of claim 1 wherein the phenolic compounds has the formula:



wherein R^3 and R^5 are the same or different, and can be hydrogen, alkyl, hydroxyl, and alkaryl groups; and R^4 is C_1 - C_{20} alkyl, alkanolic acid ester, alkaryl, alkylamino, or amine groups.

7. (withdrawn) The composition of claim 1 wherein the stabilizer is comprised of diethylhydroxylamine (DEHA), dibutylhydroxylamine (DBHA), and 4-*tert*-butylcatechol (TBC).

8. (withdrawn) The composition of claim 7 comprised of 25-45% DEHA, 25-45% DBHA, and 20-40% TBC.

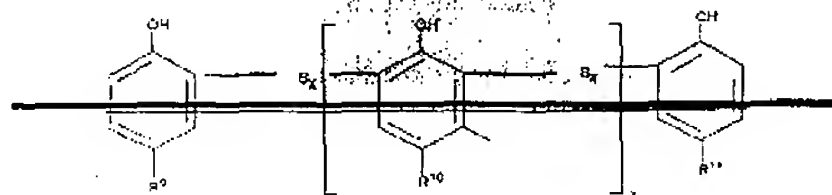
9. (currently amended) The composition of claim 1 wherein the phenolic sulfide compound has the general formula:

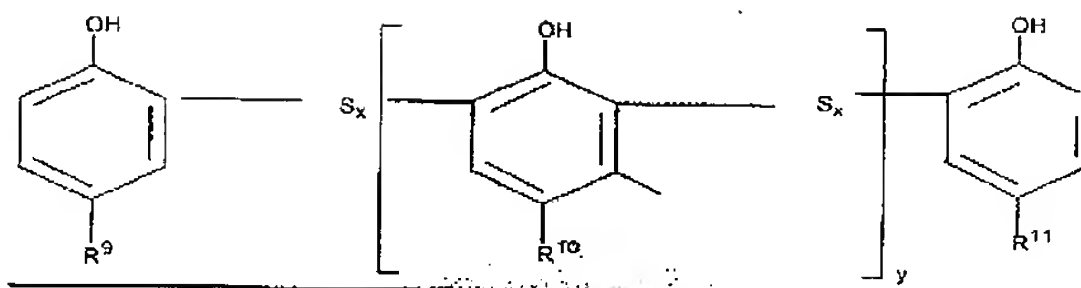


wherein each x is independently a number between 1-10, y is a number between 0-50 and R^6 , R^7 and R^8 are the same or different, and can be alkyl and aryl groups.

10. (canceled).

11. (currently amended) The composition of claim 1 wherein the sulfide is an alkyl phenol sulfide having the formula:





wherein each x is independently a number between 1-10 y is a number between 1-50, preferably 1-20 and R^9 , R^{10} and R^{11} are each 1,1-dimethylpropyl.

12. (original) The composition of claim 11 wherein the sulfide is a an arylphenoldisulfide polymer.

13. (original) The composition of claim 1 used to stabilize butadiene, isoprene or styrene.